AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A method for performing a high-throughput analysis, in which samples are analyzed in a continuous manner and in which biochips ~~arranged on a carrier~~ **placed onto a substrate** and having a plurality of measurement spots are used, comprising:

applying a sample liquid to the **plurality of measuring** spots of the biochip, ~~situated on the carrier, which form spot arrays~~ **thereby forming spot arrays**; and

analyzing the sample liquid, wherein flushing or reagent liquids are applied from above the ~~carrier~~**substrate** onto the spots of the spot arrays located on the ~~carrier~~**substrate**, and electrical measurements are carried out from below the ~~carrier~~**substrate** with the aid of contact elements,

wherein the applying and the analyzing are effected simultaneously at different spots of the spot arrays or biochips, and

wherein the ~~carrier~~**substrate** is moved to permit a continuous measurement at a speed determined by a movement cycle of the ~~carrier~~**substrate**.

2. (Currently Amended) The method as claimed in claim 1, wherein at least one of temperature regulation and air conditioning of the sample liquid is interposed between the applying and analyzing, and wherein at least one of the spot arrays is enclosed by a hollow body to create a spatial separation from other spot arrays, and the hollow body is placed onto the

biochip so that the hollow body encloses ~~with a circumferential wall at least one of the spot arrays in order to form a seal~~ **at least one spot array with a peripheral wall**.

3. (Previously Presented) The method as claimed in claim 2, wherein the air conditioning, if performed, serves as residence time of the sample liquid on the biochip.

4. (Previously Presented) The method as claimed in claim 1, wherein a temperature regulation is effected following the applying of the sample liquid.

5-6. (Cancelled).

7. (Previously Presented) The method as claimed in claim 2, wherein the air conditioning of the sample liquid includes air conditioning of the gas phase present above the spot array by the hollow body.

8. (Cancelled).

9. (Currently Amended) The method as claimed in claim 1, wherein the ~~carrier~~**substrate** is one made of a flat material.

10. (Currently Amended) The method as claimed in claim 9, wherein a biochip arrangement with a band-shaped ~~carrier~~**substrate** made of flexible material is used.

11. (Currently Amended) The method as claimed in claim 10, wherein the band-

shaped ~~carrier~~**substrate** is unwound from a roll and transported through an analysis ~~unit~~**device**.

12. (Currently Amended) The method as claimed in claim 1, wherein the ~~carrier~~**substrate** is one populated with electrically readable biochips.

13. (Currently Amended) The method as claimed in claim 1, wherein the ~~carrier~~**substrate** is one on which analysis-specific data are present.

14. (Currently Amended) The method as claimed in claim 1, wherein, for temperature control of the spot array or a reaction that takes place there, heat is supplied or dissipated from the rear side region of the ~~carrier~~**substrate** opposite to the array.

15. (Currently Amended) The method as claimed in claim 14, wherein, for the purpose of supplying heat or dissipating heat, the rear side region is brought into ~~areal~~**planar** contact with a coolable or heatable body.